

**ANNUAL REPORT TO THE STATE ENGINEER FOR THE VIRGIN RIVER  
WATER USERS ASSOCIATION 1949**

On July 17, 1949 Mr. Ray Schmutz called me by telephone asking if I would measure the water on the Virgin River. I told him that I was working, that my work day ended at 1:30 P.M. and that if it were agreeable I could measure half one day and half the next. He said that was agreeable. A pocket watch was used.

On July 18 I made my first trip. The information on the measurements is given below for the different trips.

	Measurements	adjustments
St. George & Washington Canal	64.00 current meter	75.97
Hurricane Canal	38.00 Parshall Flume	27.46
La Verkin Canal	14.00 current meter	12.56

The streams were adjusted according to the formula in the decree.

**July 19**

Virgin Irrigation	5.42		3.5
Evan Lee	3.0	at head	1.5
Rockville Town Ditch	9.13		5.0
Springdale Consolidated	10.12		6.0

Mr. Haven Paxman of St. George called me and stated that St. George was not satisfied with the July 18 measurement. They requested that I meet with the Soil Conservation Service and check my meter against theirs. After the measurement was made, it was decided that if I used a stop watch the results of my measurements would be sufficiently accurate.

**July 20**

St. George & Washington Canal	58.26 C.M.	65.5
La Verkin Canal	14.95 C.M.	11.1

**July 21**

Virgin Irrigation Co.	5.07	3.5
Rockville Town Ditch	9.13	5.2
Springdale Consolidated	10.2	6.0
Evan Lee	2.5	1.5

**July 26**

St. George & Washington Canal	66.75 C.M.	67.95
Hurricane Canal	23.7 P.F.	24.28
La Verkin Canal	13.2 C.M.	11.42

**July 29**

Virgin Irrigation Co.	3.5
Evan Lee	1.5
Rockville Town Ditch	8.69



I served notice on the canal board of the Rockville Town Ditch that if I found any further meddling with the gate, I should have to take drastic measures. Notice had been posted not to move it. The stream was cut to 5.0.

	Measurements	Adjustments
Springdale Consolidated	10.12	6.0

This trip I contacted a member of the canal board and asked him to put a board in to cut the water to 6.0 cfs. He did so.

Flannigan Ditch	4.88	2.25
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## August 7

St. George & Washington Canal	54.45 C.M.	59.9
Hurricane Canal	26.00 P.F.	21.0
La Verkin	10.75 C.M.	10.3
Virgin Irrigation	3.5	
Evan Lee	1.5	

High water came while I was measuring so I did not go further.

## August 9

Rockville	4.9
Springdale	5.8
Zion Park	1.03
Flanigan Ditch	2.25

## August 10

St. George & Washington Canal	57.12	61.6
Hurricane Canal	25.44	21.7
LaVerkin	11.22	10.5

On August 16 Mr. LeRoy H. Cox called requesting that I measure the water from Hurricane up the river every two days.

## August 16

St. George & Washington Canal	53.0 C.M.	59.7
Hurricane Canal	24.5 P.F.	20.93
La Verkin Canal	13.40 C.M.	10.24

## August 17

Virgin Irrigation	3.5
Evan Lee	1.17
Rockville Town Ditch	4.5
Springdale Consolidated	6.2
Flanigan Ditch	2.2

## August 18

St. George & Washington Canal	62.87 C.M.	62.7
Hurricane Canal	22.2 P.F.	22.2
La Verkin Canal	10.25 C.M.	10.65

August 20

	Measurements	Adjustments
Virgin Irrigation Co.	3.5	
Evan Lee	1.17	
Rockville Town Ditch	6.91	4.5
Springdale Consolidated	6.6	6.0
Flanigan Ditch	3.48	2.25

August 22

St. George & Washington Canal	58.82	61.1
Hurricane Canal	22.3	21.5
La Verkin Canal	11.88	10.4

August 24

Rockville Town Ditch	5.11
Evan Lee	1.24
Springdale Consolidated	6.00
Flanigan Ditch	2.25
Zion Park	1.03

August 25

St. George & Washington Canal	90.58	81.3
Hurricane Canal	23.5	29.6
La Verkin Canal	10.25	13.3

August 27

St. George & Washington Canal	60.29	64.1
Hurricane Canal	26.3	22.65
La Verkin Canal	11.1	10.84

August 30

St. George & Washington Canal	59.54	60.8
Hurricane Canal	22.5	21.4
La Verkin Canal	10.67	10.42

Sept. 2

St. George & Washington Canal	65.84	65.83
Hurricane Canal	22.5	23.39
La Verkin Canal	12.0	11.12
Virgin Irrigation	4.0	
Evan Lee	.5	
Rockville Town Ditch	4.5	
Springdale Consolidated	5.5	
Flanigan Ditch	2.25	
Zion Park	1.03	

Sept. 25

Stl George & Washington Canal	67.81	67.28
Hurricane Canal	28.8	25.17
La Verkin Canal	10.6	11.75



Sept. 7

	Measurements	Adjustments
St. George & Washington Canal	55.25	59.02
Hurricane Canal	23.9	20.65
La Verkin Canal	10.67	10.15
Virgin Irrigation	3.4	
Evan Lee	1.44	
Rockville Town Ditch	5.2	
Springdale Consolidated	5.5	
Flanigan Ditch	2.25	
Zion Park	1.03	

I found permanent employment in Salt Lake City in September. I returned from Salt Lake the week-end of Sept. 25 to make water measurements. At LaVerkin I found that they were turning part of their water by; therefore, I did not proceed further up the river.

Up to the time that the 1949 Irrigation season was over, St. George & Washington Canal Company did not have the measuring device they agreed to install. Because of this fact, every measurement made on their stream took from three to four hours. Every irrigation company on the Virgin River concerned in this report are badly in need of accurate measuring devices. Immediate steps should be taken to force such devices to be installed.

During the irrigation season of 1949 I traveled 1,012 miles at \$1.50, total \$151.80, during which time I spent 112 1/2 hours at \$1.00, totaling \$112.50, making a total of \$264.30.

*Anthony J. Asom*  
 Anthony J. Asom  
 Water Commissioner

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 Canal Co